

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	114406	(film or medium) with (IR or infrared)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:26
L2	19	(support or substrate) near (trasparen\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:27
L3	104366	(support or substrate) near (transparen\$2)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:27
L4	4953	1 and 3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:27
L5	7406	(surfactant or (surface-active or extender)) near (dye or colorant or (coloring adj agent) or absorber or (absorbing adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:28
L6	24	4 and 5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:28
L7	1	("20060257760").PN.	US-PGPUB; USPAT	OR	OFF	2010/07/19 14:29
L8	8	((Si or silicon\$1 or siloxy) with (surfactant or (surface-active or extender))) near (dye or colorant or (coloring adj agent) or absorber or (absorbing adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:31
L9	2	8 and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:36
L10	37378	(absorption or absorbing) adj (layer or coating or composition)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:39
L11	13	((absorption or absorbing) adj (layer or coating or composition) ) with ((surfactant or (surface-active) or (surface adj active adj agent)) same HLB)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:40
L12	7	11 and (IR or infrared)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 14:41

L13	1	("6417619").PN.	US-PGPUB; USPAT	OR	OFF	2010/07/19 15:07
L14	0	8 and 13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:07
L15	1	infrared and 13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:07
L16	1	15 and (surfactant)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:07
L17	736	(surfactant or (surface adj active adj agent)) with ((IR or infrared) adj (dye or absorbing or absorber))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:41
L18	35510	(surfactant or (surface adj active adj agent)) with ((silicone or siloxane or dimethylsilicone or silane or acrylsilane or aminosilane))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:44
L19	265	17 and 18	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:44
L20	473678	(support or (supporting adj memeber) or substrate) with (transparent or plastic or polyester or cellulose or polypropylene)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:45
L21	234	19 and 20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:45
L22	2	((("20020127395") or ("4950052")).PN.	US-PGPUB; USPAT	OR	OFF	2010/07/19 15:50
L23	1	("4783375").PN.	US-PGPUB; USPAT	OR	OFF	2010/07/19 15:55
L24	0	23 and filter	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:55
L25	0	23 and electronic	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/07/19 15:55
S1	156	(film) and (dye) and infrared and (surfactant with (HLB)) and (mass or weight or percentage) and (resin or binder) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:18
S2	2	S1 and (absorption adj film)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:20

S3	107	S1 and (absorption)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:24
S4	33987	(silicone or fluorine) with ( surfactant or (surface adj active adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:25
S5	1	(silicone or fluorine) with (diimmonium adj salt) with (surfactant or (surface adj active adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:25
S6	0	(silicone or fluorine) with (dimmonium adj salt) with (surfactant or (surface adj active adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:26
S7	89	(silicone or fluorine) with (surfactant or (surface adj active adj agent)) and diimmonium	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:26
S8	89	S4 and S7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:26
S9	5	S8 and (transparent adj (film or support or substrate))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:27
S10	2	S1 and S7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:33
S11	82	S1 and S4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:34
S12	18	S11 and (transparent adj (film or support or substrate))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:34
S13	304	(absorption adj film) with infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:50
S14	3	S13 and ((surfactant or (surface adj active adj agent)) with HLB)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 15:50
S15	1	((("2002127395") or ("6255031"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/04/09 15:54
S16	2	((("20020127395") or ("6255031"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/04/09 15:54
S17	1	("20060257760").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/09 16:33
S18	0	("L17and(substratewithresin)"). PN.	US-PGPUB; USPAT	OR	OFF	2009/04/09 16:33
S19	1	S17 and (substrate with resin)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 16:33

S20	5283	(absorption or absorbing) adj film	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 17:48
S21	274	S20 and (infrared) and solvent and ketone	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 17:49
S22	2169	solvent with ketone with (concentration or mass)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 17:49
S23	6	S21 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 17:49
S24	0	(film) with ((remain%3) adj (solvent or solution)) with (mass or concentration) and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 18:06
S25	41	(film) with ((remain\$3) adj (solvent or solution)) with (mass or concentration) and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/04/09 18:06
S26	2	"6255031".pn. or "7381518".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:02
S27	1	S26 and (surfactant or surface- active adj agent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:02
S28	2	"6255031".pn. or "20020127395".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:02
S29	1	S27 and (surfactant or surface- active adj agent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:02
S30	0	S28 and (surfactant or surface- active adj agent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:03
S31	0	(infrared near film) with (surfactant or surface-active adj agent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:03
S32	0	(infrared adj film) with (surfactant or surface-active adj agent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:03
S33	304	(infrared adj film)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:03
S34	64	S33 and (surfactant or surface- active adj agent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:04
S35	3	S33 and ( dye with (surfactant or surface-active adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:04
S36	45	S33 and ( dye and (surfactant or surface-active adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:05

S37	28	S36 and @pd<"20040811"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:05
S38	0	"6531230".pn. and HLB	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:10
S39	0	"6531230".pn. and HLB	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2009/11/20 07:10
S40	361458	(surfactant or (surface-active adj agent) or (surgace adj active adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:15
S41	484	(surfactant or (surface-active adj agent) or (surface adj active adj agent)) with (HLB or (hydrophil\$2 adj lipophil\$2 adj balance)) with (mass or percent)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:16
S42	0	S33 and S41	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:16
S43	214	film and S41	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:16
S44	32	S43 and (infrared)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:16
S45	16	S44 and (dye or colorant or (heat adj conversion adj material))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:17
S46	1	S45 and @pd<"20040811"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:17
S47	231	S33 and @pd<"20040811"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:22
S48	42	S34 and @pd<"20040811"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:22
S49	13712	(surfactant or (surface-active adj agent) or (surface adj active adj agent)) with (HLB or (hydrophil\$2 adj lipophil\$2 adj balance))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:23
S50	0	S33 and S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:23
S51	7122	(film or filter) and S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:23

S52	663	S51 and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:24
S53	256	S52 and @pd<"20040811"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:24
S54	0	"430".ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:24
S55	1341	"430/7.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:24
S56	0	S53 and S55	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:24
S57	182	S53 and (absorb\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:25
S58	127	S57 and (substrate or support)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:25
S59	17	S57 and (transparent with (substrate or support))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 07:25
S60	9	Cannon.as. and (transparent with (substrate or support))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:41
S61	8	S60 and (film or filter)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:41
S62	1	S61 and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:41
S63	1	S61 and surfactant	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:41
S64	320	Toyo.as. and (transparent with (substrate or support))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:44
S65	254	S64 and (film or filter)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:44
S66	30	S65 and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:45
S67	13712	(surfactant or (surface-active adj agent) or (surface adj active adj agent)) with (HLB or (hydrophil\$2 adj lipophil\$2 adj balance))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:45

S68	2	S66 and S67	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:45
S69	2	S64 and S67	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:46
S70	0	Toya.as. and S67	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:46
S71	47	Toyo.as. and S67	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:46
S72	2	S71 and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:46
S73	5	S71 and nm	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:46
S74	1396	Mori.in. and (transparent with (substrate or support))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:50
S75	8	S74 and S67	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:50
S76	243	S67 and (transparent with (substrate or support))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:52
S77	234	S76 and (film or filter)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:52
S78	68	S77 and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:52
S79	57	S78 and (dye or colorant or (coloring adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 08:52
S80	1	("4218250").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/20 08:55
S81	0	(pleochoric adj dye) with (nm or wavelength)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 09:12
S82	42	(pleochroic adj dye) with (nm or wavelength)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 09:12
S83	4	(pleochroic adj dye) with (infrared)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 09:15
S84	1	("6703138").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/20 10:12

S85	222	S67 with (dye or colorant or (coloring adj agent))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 10:14
S86	25	S85 and infrared	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 10:14
S87	0	("2006021660").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/20 10:27
S88	1	("2006021660").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/20 10:28
S89	1	("20070042293").PN.	US-PGPUB; USPAT	OR	OFF	2009/11/20 10:29
S90	13	S86 and (silicone or fluorine)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 10:45
S91	1	(anionic adj surfactant) with HLB	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 10:48
S92	0	(anionic adj (surface adj active adj agent)) with HLB	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/20 10:49
S93	2	((("6902791") or ("20020046851")).PN.	US-PGPUB; USPAT	OR	OFF	2010/04/28 14:18
S94	1	((("2001264532") or ("1126284")).PN. or ((11/323271) or (11/116826) or (10/156991)).APP.	JPO	OR	OFF	2010/04/28 14:20
S95	1	("5804353").PN.	US-PGPUB; USPAT	OR	OFF	2010/05/05 12:41
S96	3	((("20040157162") or ("20050227165") or ("6146792")).PN.	US-PGPUB; USPAT	OR	OFF	2010/05/05 12:59
S97	3	S96 and (printing adj plate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/05/05 13:00
S98	0	S96 and (flexographic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/05/05 13:01
S99	0	S96 and (flexographic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/05/05 13:01
S100	3	S96 and (flexographic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2010/05/05 13:01

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